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JAN  
2002

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## RAW SEQUENCE LISTING

DATE: 02/28/2002

PATENT APPLICATION: US/10/067,813

TIME: 10:26:41

Input Set : N:\Crf3\RULE60\10067813.raw.txt

Output Set: N:\CRF3\02282002\J067813.raw

1 <110> APPLICANT: Renauld, Jean-Christophe  
 2 Louahed, Jamila  
 3 Grasso, Luigi  
 4 Levitt, Roy  
 5 Nicolaides, Nicholas  
 6 <120> TITLE OF INVENTION: Asthma Associated Factors as Targets for Treating  
 7 Atopic Allergies and Related Disorders  
 8 <130> FILE REFERENCE: 036870-5071  
 9 <140> CURRENT APPLICATION NUMBER: 10/067,813  
 10 <141> CURRENT FILING DATE: 2002-02-08  
 12 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/157,247  
 W--> 13 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-18  
 14 <160> NUMBER OF SEQ ID NOS: 17  
 15 <170> SOFTWARE: PatentIn Ver. 2.0  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 1119  
 19 <212> TYPE: DNA  
 20 <213> ORGANISM: Murinae gen. sp.  
 21 <220> FEATURE:  
 22 <221> NAME/KEY: CDS  
 23 <222> LOCATION: (19)..(642)  
 24 <400> SEQUENCE: 1

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47	Gln Leu Ile Leu Arg Val Lys Asp Arg Glu Ser Phe Pro Met Ile Leu	
48	110 115 120	
49	gtg gcc aac aag gtg gat ctg atg cac cta agg aaa gtc acc agg gac	435
50	Val Ala Asn Lys Val Asp Leu Met His Leu Arg Lys Val Thr Arg Asp	
51	125 130 135	
52	caa gga aaa gaa atg gca acc aaa tac aat atc cca tat ata gag acc	483
53	Gln Gly Lys Glu Met Ala Thr Lys Tyr Asn Ile Pro Tyr Ile Glu Thr	
54	140 145 150 155	
55	agt gcc aag gac ccg cct ctc aac gtg gat aaa acc ttc cat gac cta	531
56	Ser Ala Lys Asp Pro Pro Leu Asn Val Asp Lys Thr Phe His Asp Leu	
57	160 165 170	
58	gtt aga gta att agg caa cag gtt cca gag aaa aac cag aag aag aaa	579
59	Val Arg Val Ile Arg Gln Gln Val Pro Glu Lys Asn Gln Lys Lys Lys	
60	175 180 185	
61	aag aag aca aaa tgg cga gga gac agg gcc acc ggc act cac aaa ctg	627
62	Lys Lys Thr Lys Trp Arg Gly Asp Arg Ala Thr Gly Thr His Lys Leu	
63	190 195 200	
64	cag tgt gtc atc ttg tgacagcctg aagccctggg catagcaacc gtgaactgcc	682
65	Gln Cys Val Ile Leu	
66	205	
67	agccccctggg accagcccac tgccctaactg cactgagaac cacttctaac tacagccctt 742	
68	ggctcttggc ctgggcattt gaaggaaatg agggaggagg gggcagaagc aggccggggc 802	
69	tggctttgtc gcctgtccca ggagacaggg ctacagcttc caaacctttt gtgttttgac 862	
70	tgagcccagt tcccagtctc ttgttggct tgtttctttt aactcatagg ctggtttgct 922	
71	atggaaagtgc ttacccacat acaacgcacc agacaagcca ttagcaagct tcctccctgt 982	
72	cccatccccca gtgtctgagc tcttgtgtct tttgttagatt tttaaatttat ttgagtaatg 1042	
73	attattttat taaagaggtg ttagccatt gcctgcgaag ccccaagtct ttggcagacc 1102	
74	tctgataaat gtctgca	1119
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77 <211>	LENGTH: 208	
78 <212>	TYPE: PRT	
79 <213>	ORGANISM: Murinae gen. sp.	
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83	Val Val Val Gly Asp Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln	
84	20 25 30	
85	Phe Phe Gln Ile Phe Val Pro Asp Tyr Asp Pro Thr Ile Glu Asp	
86	35 40 45	
87	Ser Tyr Leu Lys His Thr Glu Ile Asp Asn Gln Trp Ala Ile Leu Asp	
88	50 55 60	
89	Val Leu Asp Thr Ala Gly Gln Glu Glu Phe Ser Ala Met Arg Glu Gln	
90	65 70 75 80	
91	Tyr Met Arg Thr Gly Asp Gly Phe Leu Ile Val Tyr Ser Val Thr Asp	
92	85 90 95	
93	Lys Ala Ser Phe Glu His Val Asp Arg Phe His Gln Leu Ile Leu Arg	
94	100 105 110	
95	Val Lys Asp Arg Glu Ser Phe Pro Met Ile Leu Val Ala Asn Lys Val	

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97 Asp Leu Met His Leu Arg Lys Val Thr Arg Asp Gln Gly Lys Glu Met
98      130          135          140
99 Ala Thr Lys Tyr Asn Ile Pro Tyr Ile Glu Thr Ser Ala Lys Asp Pro
100     145          150          155          160
101 Pro Leu Asn Val Asp Lys Thr Phe His Asp Leu Val Arg Val Ile Arg
102      165          170          175
103 Gln Gln Val Pro Glu Lys Asn Gln Lys Lys Lys Lys Thr Lys Trp
104      180          185          190
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112 <220> FEATURE:
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117 ccgagccggg gctggagcgc gcggcttgac ctacgagaaa c atg gcg acc agc gcc 116
118 Met Ala Thr Ser Ala
119                               1           5
120 gtc ccc agt gac aac ctc ccc aca tac aag ctg gtg gtg gtg ggg gat 164
121 Val Pro Ser Asp Asn Leu Pro Thr Tyr Lys Leu Val Val Val Gly Asp
122      10          15          20
123 ggg ggt gtg ggc aaa agt gcc ctc acc atc cag ttt ttc cag aag atc 212
124 Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln Phe Phe Gln Lys Ile
125      25          30          35
126 ttt gtg cct gac tat gac ccc acc att gaa gac tcc tac ctg aaa cat 260
127 Phe Val Pro Asp Tyr Asp Pro Thr Ile Glu Asp Ser Tyr Leu Lys His
128      40          45          50
129 acg gag att gac aat caa tgg gcc atc ttg gac gtt ctg gac aca gct 308
130 Thr Glu Ile Asp Asn Gln Trp Ala Ile Leu Asp Val Leu Asp Thr Ala
131      55          60          65
132 ggg cag gag gaa ttc agc gcc atg cgg gag caa tac atg cgc acg ggg 356
133 Gly Gln Glu Glu Phe Ser Ala Met Arg Glu Gln Tyr Met Arg Thr Gly
134      70          75          80          85
135 gat ggc ttc ctc atc gtc tac tcc gtc act gac aag gcc agc ttt gag 404
136 Asp Gly Phe Leu Ile Val Tyr Ser Val Thr Asp Lys Ala Ser Phe Glu
137      90          95          100
138 cac gtg gac cgc ttc cac cag ctt atc ctg cgc gtc aaa gac agg gag 452
139 His Val Asp Arg Phe His Gln Leu Ile Leu Arg Val Lys Asp Arg Glu
140      105         110         115
141 tca ttc ccg atg atc ctc gtg gcc aac aag gtc gat ttg atg cac ttg 500
142 Ser Phe Pro Met Ile Leu Val Ala Asn Lys Val Asp Leu Met His Leu
143      120         125         130
144 agg aag atc acc agg gag caa gga aaa gaa atg gcg acc aaa cac aat 548
145 Arg Lys Ile Thr Arg Glu Gln Gly Lys Glu Met Ala Thr Lys His Asn

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146	135	140	145	
147	att ccg tac ata gaa acc agt gcc aag gac cca cct ctc aat gtc gac			596
148	Ile Pro Tyr Ile Glu Thr Ser Ala Lys Asp Pro Pro Leu Asn Val Asp			
149	150	155	160	165
150	aaa gcc ttc cat gac ctc gtt aga gta att agg caa cag att ccg gaa			644
151	Lys Ala Phe His Asp Leu Val Arg Val Ile Arg Gln Gln Ile Pro Glu			
152	170	175	180	
153	aaa agc cag aag aag aag aaa acc aaa tgg cgg gga gac cgg gcc			692
154	Lys Ser Gln Lys Lys Lys Lys Thr Lys Trp Arg Gly Asp Arg Ala			
155	185	190	195	
156	aca ggc acc cac aaa ctg caa tgt gtg atc ttg tgaggcctgc aggctgaag			745
157	Thr Gly Thr His Lys Leu Gln Cys Val Ile Leu			
158	200	205		
159	gcctcgccca cagtgcacgtt ggccctggcca gccctcgccca cccctccccca cctaactgca			805
160	ctgaaaaccat ttctaaaccac aacccttggc ccaaggactt ggtacagggaa gggagaagggg			865
161	cagggtggccca gggagcaaga cagggtctgg cttttccaa gaggaacggg gctttttcca			925
162	ccttcctcaa aagagacaag ggaaggccac ctgttaaagc aggaagcagc atcaagttgc			985
163	cccttggccccc ccccatgtt gtttgattt caaacgggtt ttccctcccccc cttctttcg			1045
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167	<211> LENGTH: 208			
168	<212> TYPE: PRT			
169	<213> ORGANISM: Homo sapiens			
170	<400> SEQUENCE: 4			
171	Met Ala Thr Ser Ala Val Pro Ser Asp Asn Leu Pro Thr Tyr Lys Leu			
172	1	5	10	15
173	Val Val Val Gly Asp Gly Gly Val Gly Lys Ser Ala Leu Thr Ile Gln			
174	20	25	30	
175	Phe Phe Gln Lys Ile Phe Val Pro Asp Tyr Asp Pro Thr Ile Glu Asp			
176	35	40	45	
177	Ser Tyr Leu Lys His Thr Glu Ile Asp Asn Gln Trp Ala Ile Leu Asp			
178	50	55	60	
179	Val Leu Asp Thr Ala Gly Gln Glu Glu Phe Ser Ala Met Arg Glu Gln			
180	65	70	75	80
181	Tyr Met Arg Thr Gly Asp Gly Phe Leu Ile Val Tyr Ser Val Thr Asp			
182	85	90	95	
183	Lys Ala Ser Phe Glu His Val Asp Arg Phe His Gln Leu Ile Leu Arg			
184	100	105	110	
185	Val Lys Asp Arg Glu Ser Phe Pro Met Ile Leu Val Ala Asn Lys Val			
186	115	120	125	
187	Asp Leu Met His Leu Arg Lys Ile Thr Arg Glu Gln Gly Lys Glu Met			
188	130	135	140	
189	Ala Thr Lys His Asn Ile Pro Tyr Ile Glu Thr Ser Ala Lys Asp Pro			
190	145	150	155	160
191	Pro Leu Asn Val Asp Lys Ala Phe His Asp Leu Val Arg Val Ile Arg			
192	165	170	175	
193	Gln Gln Ile Pro Glu Lys Ser Gln Lys Lys Lys Lys Thr Lys Trp			
194	180	185	190	
195	Arg Gly Asp Arg Ala Thr Gly Thr His Lys Leu Gln Cys Val Ile Leu			

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Input Set : N:\Crf3\RULE60\10067813.raw.txt  
 Output Set: N:\CRF3\02282002\J067813.raw

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198 <210> SEQ ID NO: 5			
199 <211> LENGTH: 19			
200 <212> TYPE: PRT			
201 <213> ORGANISM: Homo sapiens			
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203 Cys Lys Lys Lys Thr Lys Trp Arg Gly Asp Arg Ala Thr Gly Thr His			
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205 Lys Leu Gln			
207 <210> SEQ ID NO: 6			
208 <211> LENGTH: 24			
209 <212> TYPE: DNA			
210 <213> ORGANISM: Murinae gen. sp.			
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214 <210> SEQ ID NO: 7			
215 <211> LENGTH: 12			
216 <212> TYPE: DNA			
217 <213> ORGANISM: Murinae gen. sp.			
218 <400> SEQUENCE: 7			
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221 <210> SEQ ID NO: 8			
222 <211> LENGTH: 24			
223 <212> TYPE: DNA			
224 <213> ORGANISM: Murinae gen. sp.			
225 <400> SEQUENCE: 8			
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228 <210> SEQ ID NO: 9			
229 <211> LENGTH: 12			
230 <212> TYPE: DNA			
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250 <211> LENGTH: 18			
251 <212> TYPE: DNA			
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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/067,813

DATE: 02/28/2002

TIME: 10:26:42

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